## INDIA RUBBER WORLD

420 Lexington Avenue

New York, N. Y.

Section 2—October 1, 1934



### ANNUAL INDEX

Twelve Months' Index to

Volumes 89 + 90

OCTOBER, 1933

SEPTEMBER, 1934

# BARGAIN SALE

OF

### Books for Rubber Men

By HENRY C. PEARSON

### PNEUMATIC TIRES

The text book of the tire industry—1,300 pages and 900 illustrations—meets a universal demand for an authoritative work on the evolution of the air-filled tire. Fully and comprehensively describes the building of a tire from the gathering of the raw material to the inspection of the finished product. A veritable encyclopedia of the tire industry and a practical handbook arranged and indexed for ready reference. Published in 1922. Cloth-bound, 1,300 pages, 900 illustrations.

Former Price \$12.00

SALE PRICE \$6.00

# CRUDE RUBBER AND COMPOUNDING INGREDIENTS

The rubber worker's standard text book carefully brought up to date. New chapters have been added, covering the latest developments of the rubber industry, such as plantation Para, synthetic rubber, vulcanization without sulphur, organic accelerators, physical testing, analytic methods, etc. Of special value are the collections of classified practical rubber compounds grouped under the various divisions in rubber manufacture. Revised 1920. Cloth-bound, 400 pages.

Former Price \$10.00

**SALE PRICE \$5.00** 

#### RUBBER MACHINERY

The only comprehensive and authoritative book containing detailed descriptions and illustrations of all the best American, English, German, French and Italian machinery used in the preparation and manufacture of crude, compounded and reclaimed rubber. Published in 1913. Cloth-bound, 419 pages, 428 illustrations.

Former Price \$6.00

SALE PRICE \$3.00

These books are out of print but they should be in the library of every rubber man for their technical and historical value. They are perfect regarding the text but some of the covers are slightly damaged. Orders will be filled until the supply is exhausted.

### INDIA RUBBER WORLD

420 Lexington Avenue

NEW YORK, N. Y.

670.5 V. 89-90

Twelve Months' Index to Volumes 89-90, October, 1933 - September, 1934



BILL BROTHERS PUBLISHING CORP. 420 Lexington Avenue, New York, N. Y.

#### Volumes 89-90

#### October, 1933, to September, 1934

	GES	PA	GES	PA	\GE
A		ANTIOXIDANTS		BOOK REVIEWS	
Absorption, Rubber—1933Je 33, JI ACCELERATORS	39	Fluorescence of Rubber and of Compound-	42	"Chemical Engineering Catalog," 18th	4
AcrinAp	72	ing IngredientsV. N. Morris Au Hiflex BF	40	Ed	41
Action, CombinedÓ	39	Anti-Scorch Material. Retarder WMy		John H. Perry, Ed. in Chief Jl "Formulary, The"	5
Ureka CD	50	ANTISEPTIC	46		5
ARU	58	Parol (Raschit)D	56	"Chemistry of Petroleum Derivatives, The"	5
D.B.AAp	58 58	Antox, an Antioxidant	61	"Chimie et Technologie du Latex de Caout-	3.
552 Ap Fluorescence of Rubber and of Compound- ing IngredientsV. N. Morris Au	30	Antox, an Antioxidant	36	chouc"	54
ing Ingredients V. N. Morris Au	43	Arrow Compact, a New Carbon BlackJe	51	chouc"	
Identification, Systematic, of		ARU, an Accelerator	58	the Dielectric Constant, Power Factor,	
Keiichi Shimada Ma	39	Asbestos, Rubber-, ProductsJa Astrolith and Sunolith, LithoponesAu	36 57	the Dielectric Constant, Power Factor, and the Conductivity of Compounds of	
Acid, Stearic, Hydrogenated		Australia, Rubber Trade in	58	Purified Rubber and Sulphur A. H. Scott, A. T. McPherson, and Harvey L.	
Donald F. Cranor My	45	Australia, Rubber Trade inJa Austria, Rubber Trade inN 50, Au	56	Scott, A. I. McPherson, and Harvey L. Curtis D	5/
Acreage, Plantation—1932Je	41 72	AUTOMOBILE FABRICS		"Guttapercha und Balata"	31
Acrin, an Accelerator	39	Code of Fair Competition and Trade Prac-		Emil J. Fischer My	74
ACTIVATOR		tice for the Rubber Manufacturing	22	"Handbook of Chemistry and Physics"	
GuantalD	50	Industry Ja News Ma 46, Au	33 52	Charles D. Hodgman, Ed. in Chief D	50
Adhesive LatexJe	45	AUTOMOBILES	34	Charles D. Hodgman, Ed. in Chief D "International Raw Commodity Prices and the Devaluation of the Dollar"	
Aphesives	27	"Dream" Car, The	44	Molania T Copeland F	45
Rubber CementsAu Age, Machine, Rubber and the	31	Ford Exposition Ja Show, National F	51	"Kautschuk"Gustavkarl Hübner Ja	58
David Phillips Au	31	Show, National	34	"Kautschuklacke und Kautschukkitte"	
Resisters See Antioxidants		Studebaker, Diagram Showing Use of	52	Otto Merz S	56
David Phillips Au Resisters See Antioxidants Resisting Compounds	44	Rubber at 60 PointsJa Awakening East, The	34	"Labor Productivity in the Automobile	40
AIRBAGS Sources of Waste in Tire Manufacture		William B. Wiegand Au 29, S	33	Tire Industry"Boris Stern O "1933 A.S.T.M. Manual on Presentation	40
Frank Allen Middleton O	31			of Data with Table of Squares and	
All Weather Coats	35	В		Square Roots"American Society for Testing Materials O "Onward from the Beginning"	
	45	BACKING		for Testing Materials U	48
America, Rubber Industry in O 44, N 44, D 44, Ja 50, F 44, Ma 44, Ap 50, My 50, Je 50, Jl 50, Au 48, S		Code of Fair Competition and Trade Practice for the Rubber Manufactur-		Vernon Royle Au	54
Je 50, Il 50, Au 48. S	50	ing IndustryIa	23	"Plastic Molding" Louis F. Rahm D	56
AMERICAN CHEMICAL SOCIETY		ing Industry	52	"Rubber and Automobiles"	-
Chairman, NewJe	46	Balance-Plastometer	39	Colin Macbeth My	74
Chairman, New	45	BalataWilliam P. Earle, Jr. My	38	"in Chemical Engineering"Henry P. Stevens and M. B. Donald O	4.9
AnnualF 40, Au 48, S	45 46	Resin-Gutta Gums. I. Torrence Gurman D	31	"Producing Companies-1934"le	76
REGIONS	40	Barrett's ChemicalsJa Barron, H.	40	"Statistical Abstract of the United States	
Ohio-Michigan	40	Latex and Protective ColloidsF	39	-1933" F BRIDGWATER, E. R. Physical Properties of DuPrene Com-	48
Abstract of PaperN	40	BATHING CAPS AND SUITS		BRIDGWATER, E. K. Physical Properties of DuPrene Com-	
Rubber Division	40	Water Wear in RubberAp	35	poundsAp	31
Akron D 39. My 46. Te 46. Tl	44	Behavior of Anti-Agers to Sun- and Ultra-	40	Brown, Roy W.	
Boston N 40, D 39, My 46, Je 46, Jl		Violet LightF Belgium, Rubber Trade inF 50, S	58	Thickness Measurements of Calendered	-
Je 46, Jl	43	BELTING		MaterialsN	3:
Abstracts of Fapers	43	Resin-Gutta Gums. I. Torrence Gurman D	31	Bulgaria, Rubber Trade inAu Burnett, Arthur A Portrait and Sketch Au	50
Exhibits	43 46	Berkinshaw, Richard Coulton		Business, Blue Eagles and	
Los Angeles Ap New York O 40, N 39, D 39, Ja 46, Ap 45, My 46, Je	45		48	Edward Lyman Bill O	37
New York O 40, N 39, D 39,		In 46 F 40 Ma 40 Ap 46 My 46 To 46		C	
Ja 46, Ap 45, My 46, Je Abstracts of PapersN	46 39	Bibliography, Rubber O 40, N 48, D 40, Ja 46, F 40, Ma 40, Ap 46, My 46, Je 46, Jl 44, Au 44, S	46	CABLES	
	39	BILL, EDWARD LYMAN		Resin-Gutta GumsI. Torrence Gurman D	31
Exhibit	51	Blue Eagles and BusinessO Billings, EdmundPortrait My	37	C. 1 311 1 E D 11111 - M-	28
SECTIONS		Billings, Edmund	38	Submarine, Insulation, SplicingS	36
AkronAu	48 46	Rubber Cements Au	37	Calcene, a Pigment	66
ColoradoJa	46	Rubber CementsAu Blankets, Printers', Rubber	0,	Stocks, Wire and P. B. Wilson Ma Submarine, Insulation, Splicing S. Calcene, a Pignent N 43, Ap Calendered Materials, Thickness Measurements of Roy W. Brown N Canada, Rubber Trade in D. 48, Kong W. Brown N	35
Delaware	46	Joseph Rossman Ap	41	Canada, Rubber Trade in 48,	-
American Rubber Executives	46	Block Pavement, ResilientAp Blue Eagles and Business	39	My 56, Je 51, S	53
AMERICAN SOCIETY FOR TESTING MATERIALS	44	Edward Lyman Bill O	37	CARBON BLACK Arrow CompactJe	51
Meetings	44	Book Reviews	0,	CS-3Ap	51
Moved	51	"A.S.T.M. Standards on Textile Materials"		Colloidal Carbon	
Moved Ja Specifications, Tentative N Standards for Rubber Goods Je	45	American Society for Testing Materials N	48		30
Standards for Rubber GoodsJe	34	"America Self-Contained"	50	Micronex BeadsAu	44
	45 33	"Annual Survey of American Chemistry,"	50	Tetrachloride In	40
Annals of Rubber	43	Vol. VIII Edited by Clarence I. West Te	76	Carpets and Rugs, Rubber Latex Sizing	76
Analysis, Elemental Time. J. D. Towne Au Annals of Rubber		"Annuario delle Materie Plastiche, 1933/34.		Micronex Beads	25
Violet Light	40	XII," 2nd Ed	50	CatalpoMy	45
Antioxidants Age-Rite HPS	71	American Society for Testing Materials F	48	CEMENTS	41
Antox	61	"Bulletin of the National Research Coun-	10	Low-Temperature CuringMy	46
Antox D Flectol-B O	39	cil"Clarence J. West and		Resin-Gutta Cums I. Tormence Girman D	31
H N	61	Callie Hull O	AR	Pubbo2 :	31

P	AGES	P	AGES	P	AGES
CEMENTS Viscosity of Heavy		Darvan, a Dispersing AgentMy DECORATING Rubber Graining ToolsJa	35	Power and Mechanical Engineering, Eleventh National, ofJe	50
CHANNEL, SASH Trimming Rubber Goods	31	Denmark, Rubber Trade in. Ja 56, Il Densimeter, Automatic Decodorized Stock, Typical O Determination, Volumetric, of Free Sulphur in Rubber . J. A. Robertson and J. Young D	56 50 52	Shoe Fair, Boston	51
Ja 60, F 53, Ma 54, Ap 60, My 60, Chemicals, Barrett's Ja Chemistry Ja 7, S Ja 45, F 39, Ma 39, Ap 45, My 45, Le 45, JI 43, Au 43, S	62 46	Developments, Recent, Anecting United		FABRICS AUTOMOBILE Code NewsMy 46, Au of Fair Competition and Trade Prac-	52
Chemistry	45	DIE CUTTING MATS Trimming Rubber GoodsF Diphenylguanidine, New Synthetic Prepara-	31	of Fair Competition and Trade Prac- tice for the Rubber Manufacturing Industry Ja Latex Proofing and Impregnating Methods	
Resin-Gutta Gums. I. Torrence Gurman D CHINA The Awakening East		Dipped Goods from Latex Solutions George D. Kratz Ma Rubber Cements		Uses of, in Textile Finishing. George D. Kratz and William M. Spencer Ap	43
William B. Wiegand S Catalpo		DISPERSING AGENT Darvan	52	Measurements, Thickness, of Calendered Materials	35
CLIFFORD, A. M., H. R. THIES AND Plioform, a New Molding ResinMa		States as of October 1, 1933D April 1, 1934	30 32	Rubber Cements	
All-Weather CoatsJe Code NewsJl 53, Au of Fair Competition and Trade Practice for the Rubber Manufacturing In-	35 52	Code News	52 52	FAR EAST Awakening, TheWilliam B. Wiegand Au 29, S Rubber Industry in O 51, N 51, D 51, Ja 57, F 51, Ma 51, Ap 57, My 57, Je 56, Jl 57, Au 57, S	33
dustry	23	for the Rubber Manufacturing In- dustry DuPrene Compounds, Physical Properties of	23	Farm Equipment, Pneumatic Tires on Walter B. Jones Ap	59 34
Code, Rubber O 44, N 45, D Activities F Approved Ja Authorities F 45, Ma 45, My 52, Au	45	Rooms	37	Fillers, Resilient Expansion JointJe Financial. O 48, N 50, D 68, Ja 52, F 46, Ma 68, Ap 53, My 72, Je 55, Ji 50, S Finishing, Textile, Uses of Latex in . George	43 52
Discriminatory S News Ma 45, Ap 51, My 52, Je 51, Jl 53, Au 52, S of Fair Competition and Trade Practice	51	Trimming Rubber GoodsF	31	D. Kratz and William M. Spencer Ap Firestone, Harvey S., SrPortrait Je Flectol-B, an AntioxidantO	37 53 39 61
for the Rubber Manufacturing Indus- tryJa for the Reclaimed Rubber Manufactur-	23	EARLE, WILLIAM P., JR. BalataMy	38	HN Flexometer for Rubber CompoundsJa Flint, Harley APortrait and Sketch My FLOCK	45 51
ing Industry	25	East (Far), Awakening, The William B. Wiegand Au 29, S (U. S. A.), Rubber Trade in 0 46, N 45, D 45, Ia 51, F 45, Ma 45, Ap 51,	33	Floor Wear, TestingO	
Colloid Chemistry Symposium Je Colloidal CarbonWilliam B. Wiegand F Whiting	30	N 45, D 45, Ja 51, F 45, Ma 45, Ap 51, My 51, Je 50, Jl 53, Au 51, S Easy Compounding Effects	51 26	Code News Ma 46, Au of Fair Competition and Trade Practice for the Rubber Manufacturing Indus- try Ja	
HakuenkaJa 76, Ap 72, Jl Colloids, Protective Latex and H. Barron F Coloring RubberJoseph Rossman		Administrator Johnson Speaks O Anniversary of the NRA Jl British Dilemma, A N Code Authority or Association? Ma	38 42 38 38	Flour, SlateO Fluorescence of Rubber and of Compounding IngredientsV. N. Morris Au FOOTWEAR	40
Coloring Rubber	35 45 39	Collective Bargaining	42	Antox, an Antioxidant	61 60
COMMODITY EXCHANGE, INC.  Crude Rubber Market 0 57, N 57, D 57, Ja 63, F 57, Ma 57, Ap 63, My 63, Je 63, J1 63, Au 63, S	65	Engineers Will Lead	38 42 44 44	tice for the Rubber Manufacturing Industry Ja Conveying, Standardized, for, Plants David Phillips My	23 35
Elections First 6 Months D Competition, Fair, and Trade Practice for the Rubber Manufacturing Industry,	45	Happy New Year and a Prosperous One, A	44	Imports of Rubber Products, Recent De- velopments Affecting United States. Ja Manufacture, Paced Production in	41
for the Reclaimed Rubber Manufacturing IndustryMy	41	tion? D INDIA RUBBER WORLD AnniversaryO Japan's SupremacyO Labor UnrestJe	38 38 44	David Phillips Ma Soles and Heels from Scrap RubberO Water Wear in RubberAp Foreign Trade InformationO 70, N 72,	29 33 35
Rubber Tire Manufacturing Industry F Compounding Effects, Easy	26	Labor Unrest Je Men of the Pit, The Ap Native Rubber and the Dutch Au 1933 Upturn Will Continue Ja	44 42 44 38	D 70, Ja 76, F 46, Ma 52, Ap 68, My 76, Jl 76, S	78 40
ofV. N. Morris Au MarketO 61, N 61, D 61, Ja 67, F 63, Ma 61, Ap 67, My 67, Je 67, Jl 67, Au 67, S	71	No Rubber Dollars N Old-Age Pensions S Opposition to Wagner Bill My Restriction Accomplished Je	44	France, Rubber Trade in 0 50, N 50, D 50, Ja 56, F 50, Ma 50, My 56, Je 58, Jl 56, Au 58, S Free Sulphur in Rubber, Volumetric Deter-	58
Compounds, Age-Resisting	31	Rubber Industry Steadily GainsJI Labor BoardAu Manufacturing CodeJa Shorter Hours and WagesAp	42 42 44 44	mination ofJ. A. Robertson and J. Young D Fuller, Harold PPortrait and Sketch Jl	40 52
Rubber Cements Au Wire and Cable Stocks F. B. Wilson Ma	37 28	Spare Machinery Parts Ja Status Quo of Small Business S Trade Association, The F	44 44 38	Gage, Portable RubberF	33
Compressometer	29	"Trouble-Shooter" F Wagner Bill, The Ap Why Rubber Manufacturers Advertise in INDIA RUBBER WORLD. O	38 44 38	Germany, Rubber Trade in O 50, N 49, D 50, Ja 55, F 50, Ma 49, Ap 56, My 56, Ie 57, Il 55, Au 56, S	57
COOLAHAN, R. A.	58	World Business RecoveryN Elemental Time AnalysisJ. D. Towne Au Emo, a Latex Compounding IngredientJe	38 33 58	GIBBONS, EDWIN J. Rubber Thread in Narrow Fabrics Jl 35, Au GOLF BALLS	35
Cooperation F Costs, Increasing, of Production F Cotton Market and Fabrics O 65, N 65, D 65, Ja 71, F 67, Ma 65, Ap 71, My 71, Je 71, Ji 71, Au 71, S	29 75	Equipment, Farm, Pneumatic Rubber Tires	31	Resin-Gutta Gums. I. Torrence Gurman D Goods, Dipped, from Latex Solutions George D. Kratz Ma Rubber, Inexpensive	31
The Purchasing DepartmentAu Cramer, Howard IPortrait and Sketch Au	39	on	56 40 70	LacqueringGeorge Warren Smith JI	31 37 39 31
CRANOR, DONALD F.  Hydrogenated Stearic AcidMy  Crofut William F. Portrait and Sketch O.	45 44	Europe, Rubber Industry in O 49, N 49, D 49, Ja 55, F 49, Ma 49, Ap 56, My 55, Je 57, Jl 55, Au 55, S	57	Gould, Harold IPortrait and Sketch Je Graining Tools, Rubber	52 35
Crude Rubber Absorption	65	Executives, American RubberO Expansion Joint Fillers, ResilientJe Export Restriction Quotas, Monthly E. G. Holt S		Gould, Harold I Portrait and Sketch Je Graining Tools, Rubber. Ja Great Britain, Rubber Trade in O 49, N 49, D 49, Ja 55, F 49, Ma 49, Ap 56, My 55, Je 57, Jl 55, Au 55, S Greetings, Calendars, and Souvenirs. F Guantal, an Activator. D	57 56 50
CUTTING Knives, Rubber	29	Exports, United States, Register GainsJa Expositions American Chemical Society, Rubber	76	Gums, Resin-GuttaI. Torrence Gurman D Guns, SprayJe	31 39
Trimming Rubber GoodsF Czechoslovakia, Rubber Trade in Ja 56, Je 58, S	31	Division  Boston Group	43	Resin-Gutta Gums	31
D.B.A.; an Accelerator	58	Century of Progress	51	H HakuenkaJa 76, Ap 72, Jl Handerson, Philip CSketch Jl	56 50
				st; S=Sept.; O=Oct.; N=Nov.; D=Do	

• PA	GES	PA	GES		PAG	ES
HARD RUBBER Code News	52	JUTE Latex Proofing and Impregnating Meth-	4.3	Machines and Appliances, New Glove Form Support, Porcelain	F	42 47
tice for the Rubber Manufacturing		odsJa	43	Groover, TireA	u	45 41
Industry Ja	23 45	K		Tread	u	46
Unat Insulation, Modern	33	Knives, Rubber Cutting	29	Hanger, Constant Support Heater, Water, Instant Heel Cutter, Volumetric	1	47
B. W. Wetherbee O 25, N Heels, Soles and, from Scrap RubberO	33 35	Dipped Goods from Latex Solutions, Ma	33	Heel Cutter, Volumetric	y	47 48
Helpful Hints for Efficient Inspection O Henderson, Bancroft W Portrait My	51	AND WILLIAM M. SPENCER Uses of Latex in Textile Finishing. Ap	37	Homogenizer M Hose, Radiator, Machines	F	42
Hints, Helpful, for Efficient InspectionO	40 35	Kress, A. LPortrait and Sketch Je	50	Wrapping Machine	F	41
Hiffex B, an AntioxidantF Hints, Helpful, for Efficient InspectionO Holland, Rubber Trade F 50, My 55, Au	55	L LACQUER _		Spiral Ply Machine Wrapping Machine Joint, Rotary Pressure Joints, Swing Laboratory Mixer for Research Work. J	ĬI.	48
HOLT, E. G. Monthly Export Restriction QuotasS	68	Spray GunsJe Lacquering Rubber Goods	39			47
Hong Kong The Awakening East		George Warren Smith JI	37	Meter, Light	b	47
William B. Wiegand S	33	Lacquers, RubberMy	45	Liners, Processed A Meter, Light A Mill Drive, Rubber A Duplicating, for Small Work	S	46
	29	Adhesives	39			48
Hospital Supplies Code News	52	Cements, RubberJl 27, Au Compounding Ingredient	37	New Banbury A Moisture Testing Instrument M Mold, Bathing Shoe Molding Press, Plastic Motor, Mill, Quick-Stopping. A	y 11	48 45
of Fair Competition and Trade Prac-		EmoJe Proofing and Impregnating MethodsJa Rubber-Asbestos ProductsJa	58 43	Molding Press, Plastic	u p	45
Industry	23	Powder	36 27	Synchronous, with Dynamic Brakin Control	8	41
Donald F. Cranor My	45	Sizing, Rubber, for Carpets and RugsD Solutions, Dipped Goods from	25	Oilers, Automatic	N	41
I		George D. Kratz Ma	33 39	Ovens, Thermo-Electric	J1	47
Identification, Systematic, of Accelerators		Spray Guns Je Textile Finishing, Uses of, in George D. Kratz and William M. Spencer Ap	37	Plastometer Platens, Steel Steam M Polisher, Roll, Automatic	y	47
Imports of Rubber Products, Recent Developments Affecting United StatesJa Impregnating Methods, Latex Proofing and Ja	39	Lefebvre, Albion J	54	Pot, Thermometer Test	F	41
opments Affecting United StatesJa	41	My 50, Je 53, S Letters from Our Readers	55 68	Press Hydraulic, Compact	N	42
Impregnating Methods, Latex Problems and Jancorporations, New	53 29	Light, Sun- and Ultra-Violet, Behavior of	40	Molding, Plastic	N	51
Increasing Costs of ProductionF India, Rubber Trade inJe	76	Anti-Agers toF		Make	e	47
Rubber World, Statement of	68 59	Astrolith and SunolithAu Lithuania, Rubber Trade inO	57 50	Punching, Self-Operating Roller Feed.	F	42
Indo-China, Rubber Trade in 0 52, N 51, F 52, Je	56	Low-Temperature Curing CementMy	46	Tire, Twin	Ĵì to	46
INDUSTRY Blue Eagles and Business		M		Make Puller, Gear and Wheel, Universal	le N	47
Edward Lyman Bill O Business Continues to ImproveMa	37 44	Machine Age, Rubber and the David Phillips Au	3.1	Pump, High Pressure Hydraulic] Vertical Triplex Punching Press, Self-Operating Rolle	a	47 47
Code, Rubber 0 44, N 45, D	45 45	MACHINERY	31	Punching Press, Self-Operating Rolle	er F	42
Activities	5.1	Soles and Heels from Scrap Rubber. O	33	Racks, Stock, Automatic	N	42
Discriminatory	68	Soles and Heels from Scrap Rubber. O Patents O 53, N 53, D 53, Ja 59, F 53, Ma 53, Ap 59, My 59, Je 59, Jl 59, Au 59, S	21	Recorder, Spiral-Record	N	41
Authorities. F 45, Ma 45, My 52, Au Discriminatory	51	Rubber	29	Recording Temperature Regulator Reducer, Speed	D	47
tice for the Kubber Manufacturing		Machines and Appliances, New Aging Apparatus, Bomb	42	Planigressive	Ji	48 48
for the Reclaimed Rubber Manufac-	23	Air Coloring Unit	47	Regulator, Combustion Control Temperature, Recording	D le	42
turing IndustryMy Rubber Tire Manufacturing Indus-	41	Braking Control, Dynamic, Synchronous	41	Temperature, Recording Viscosity Retreader, Full Circle	la p	41
Elemental Time Analysis. J. D. Towne Au	33	Motor with	41	Temperature Instrument	F	47
Increasing Costs of ProductionF	29	of German Design Je Chain Conveyer, 4-Way Ja	47	Roller, Batch, or Shell, Holdfast	D	42 47
Labor, Organized, in AkronF Man Load ControlJ. D. Towne S	44 29	Silverstreak SilentS Climco ProcessAu	4/	Rule, Slide	e	48 48
Profits in Inventory Appreciation	36	Clips, Balancing, for Automobile Wheels	48	Separator, Steam A Shaker, Testing Sieve. Sheave, Texsteel Shell, Holdfast Batch Roller or.	F	40
Purchasing Department, The J. H. Coulahan Au Rubber, Safety in theF	39 37	Coating Machine, Latex CarpetN	42 48	Shell, Holdfast Batch Roller or Sign Post, Flexible	D	42
Strikes Increasing	50 31	Coloring Unit, Air	47	Sizing Machine, Latex	a	47
INNER TUBES		Conveyer, 4-Way Chain Ja Coupler, Rubber Cushioned Au	46	Steel Steam Platens	y	47
Catalpo in Tires and	52	Coupling, 4-Duty O Pipe, Gasket-Type Jl Torque Ring Ma	48	Stock Reel, Gum Stripper, Rubber Bale Support, Glove Form, Porcelain	la Ta	48
of Fair Competition for the Rubber Tire Manufacturing IndustryF Sources of Waste in Tire Manufacture	25	Cutter, Bale, HydraulicJe	47	Tank, Latex Dipping Temperature Instrument, Roll	JI	42
	27	Cutter, Bale, Hydraulic Je Rubber, German-Type D Feed, Bias D Heel, Volumetric My	42			42
Tear-Proof Inquiries, Rubber TradeO 70, N 70, D 52, F 48, Ma 52, My 76, Au 78, S Inspection, Efficient, Helpful Hints forO	44			Regulator, Recording Tensiometer, Precision Tester, Goodrich Tire Testing Instrument, Moisture	p	47 48
D 52, F 48, Ma 52, My 76, Au 78, S Inspection, Efficient, Helpful Hints forO	80 35	Waste Rubber Ma Cutting Apparatus, Sole Jl Densimeter My	48 45	Tester, Goodrich Tire	a y	48 48
Insulation, Modern Heat  B. W. Wetherbee O 25, N  Submarine Cable, Splicing	33	Dipping Machine, Automatic	43	Gage	a	48
Submarine Cable, Splicing	36 28	Tonk Inter	46	Test Pot	F	41
INTERNATIONAL RUBBER REGULATION COMMITTEE		Drier, Air-Lay Ja Drive, Rubber Mill Au Drives, Splash and Drip-Proof D Drums, Tire, N-R-M N	46 42	matic	le N	48
Destriction Assessment To	31 36	Durometer and Elastometer, Improved r	41	Tires Drums, N-R-M	N	41
Production—Domestic Shipments, Tire O 50, N 68, D 70, Ja 65, F 60, Ma 62, Je 65, Jl 65, Au 68, S Italy, Rubber Paving in		Elastometer, Improved Durometer and F	42	Groover	u	45
Je 65, Jl 65, Au 68, S	78 56	Extinguisher, Fire Au Fabric, Stretchable Jl Feed Bias Cutter D	46	Press, Twin	V	47
Trade in O 50, My 56. Jl	56	Feed, Bias Cutter D Feeding, Continuous, from Mill to Tuber Je Fire Extinguisher	48	Tester Goodrich	2	48 48
J		Floors, StonoleumJe	58	Trimmer for Bicycle Vulcanizer, Retread, Full Circle] Trimmer for Bicycle Tires	a	48 48
JAPAN Awakaning Fast The		FOOTWEAR Bathing Shoe Mold	45			48
Awakening East, The William B. Wiegand Au	29	Fabric, Stretchable	47	Tubing, Hammered Seam. Valve, Synchro Viscosity Regulator Vulcanizer, Full Circle Retread Wrapping Machine, Hose	ji	46
Recent Development Affecting United States Imports of Rubber Products. Ja	41	Sole Cutting Apparatus	45	Vulcanizer, Full Circle Retread]	a	41
Joint Fillers, Resilient ExpansionJe	60 43	Soling Machine, KubberAp	4/			41
JONES, WALTER B. Pneumatic Rubber Tires on Farm Equip-		Foundry, Rubber in the	47	Malaya, Rubber Trade in O 51, N 5 D 52, Ja 57, F 52, Ma 51, Ap 57, My 5	8,	
ment	34 55	and Ja Gages, Screw Micrometer O	48 36	Malaya, Rubber Trade in O 51, N 5 D 52, Ja 57, F 52, Ma 51, Ap 57, My 5; Je 56, Jl 57, Au 57, Man Load Control	S	60 29
I I F-Fab M M M	4:1		_	est. S—Sort . O—Oct . N—Nov . D—		-

ES

3 0 3

Marker   Foreign   Production   Company   New York   Production   Company	F	AGES	P	AGES		PAGES
Markers, Traffie, Rubber, Allander, 1997,	Tire. Sources of Waste in	29	Card, Tubing Display	43 47	Mapel, John W	5 5 3
Reclaimed Rubber	Markers Traffic Pubber Allan Williams	4.2	Cleaner, Sponge RubberMy Cleats, All-Rubber, for Sport ShoesIe	49		
Reclaimed Rubber	My 67, Je 67, Jl 67, Au 67, S Cotton and Fabrics O 65, N 65, D 65, Ja 71, F 67, Ma 65, Ap 71,	71	Cusnion, Crutch, RubberAp	49	Neumann, Alvin S	55 54 47
### Annual Properties of the Compound of the Russell   10 of the State   10 of the Russell   10 of the Rus	My 71, Je 71, J1 71, Au 71, S Crude Rubber	65	Elasticord, Ingenious and Useful Kant-	43	Rapson, Frederick LionelO Reed, I. ElyPortrait N Reeves, Walter RD Rinehart, Charles RamseyD	47 47 47 47
### Annual Properties of the Compound of the Russell   10 of the State   10 of the Russell   10 of the Rus	Reclaimed Rubber 0 59, N 59, D 59, Ja 74, F 59, Ma 57, Ap 74, M 55, Je 74, Jl 74, Au 65, S	69	Ferrules, Griptey Rubber	43	Rosenthal, Hyman A	51 47 53
### Annual Properties of the Compound of the Russell   10 of the State   10 of the Russell   10 of the Rus	D 59, Ja 74, F 59, Ma 59, Ap 74, My 74, Je 65, Jl 72, Au 74, S Materials, Calendered, Thickness Measure-	78	FOOTWEAR		Spencer Richard Franklin	53
Meastrain R. R. W. Brown N S Goar Materials Robber Gage	Rubber Printing PlatesMy	31	Galoshes That Tie	43	lucker, George Raymond	33
## Ferrules   Gripte Rubber   Gage   Farman   Fa	Trimming Rubber GoodsF		Protective	49 49 47	Walker, William H Portrait Au	53
Martic Rushber Manufacturing Induse   Martic Competition and Trade Fractice for the Rubber Manufacturing Industry   Martic Competition and Trade Fractice for the Rubber Manufacturing Industry   Martic Competition and Trade Fractice for the Rubber Manufacturing Industry   Martic Competition and Trade Fractice for the Rubber Manufacturing Industry   Martic Competition and Trade Fractice for the Rubber Manufacturing Industry   Martic Competition and Trade Fractice for the Rubber Manufacturing Industry   Manufacturing	Portable Rubber GageF	33	Golf Ferrules, Griptex RubberO Hose, Paint Fluid	43 67	Whitacre, William D	47 48 48
Rubber   In Device to Stimulate Tech   Application   Applications   Application   Ap	for the Rubber Manufacturing Indus-		Wine JI Inner Tubes, Bevel Weld Ma "Ipanaman" JI Knife, Hunting, Rubber JI	49 43 52 49	Wilson, Samuel S N 47, D Witteck, Paul O Wood, Alexander C D	48 47 47
Meyer   F   1	MEDICAL RUBBER GOODS		and Gums	43	Zimmerer, Anton Henry Je Ohio, Rubber Trade in . O 44, N 44, D 44, Ja 50, F 44, 64, Ma 44, Ap 50, My 50,	55
MIDDLATION   FLANK ALLAN   Sources of Waste in Tire Manufacture   Sources of Waste Manufacture   Sour	for the Rubber Manufacturing Indus- try	23 44	Paint, Cavity Filler and, for TreesAu Parka, Football	47 43	Organic Rubber Colorsje	55 45
Shower, Partable Unit for   Sample   Samp	MIDDLETON, FRANK ALLAN Sources of Waste in Tire Manufacture		Rain Capes, Rubber D 43, Ap Seat for Swings, Spring-Rubber Safety	49	Paced Production in Footwear Manufac-	29
Moldern   Heat Insulation   B. W. Wetherbee   O. 25, N. 33   Moldern   Heat Insulation   B. W. Wetherbee   O. 25, N. 33   Moldern   Heat Insulation   B. W. Wetherbee   O. 25, N. 33   Moldern   Heat Insulation   Resin, Pliciform, a New   Resin, Pliciform, a New   Resin, Pliciform, a New   Resin, Pliciform, a New   W. M. A. Rubble   Resin	D 48, Ja 51, F 50, Ma 48 Ap 52, My 50, Je 54, Jl 58, Au 50, S Mixing Rooms, Pneumatic Dust Collector		Separator, Battery, All-Rubber, First. Jl Shower, Portable Unit for	49 49 74 43	Packing Plantation RubberO	52
Resem, Full Courts as and M. Citiford Ma Rubber Printing Plates	Modern Heat Insulation  B. W. Wetherbee () 25, N  Molding		Truck, Self-Ventilating, Pennsylvania	48	Tornesit	58
Morright	H. R. Thies and A. M. Clifford Ma Rubber Printing Plates	31	U. S. Rubber, New	46 49	Paints	37 35
NRA	MORRIS, V. N. Fluorescence of Rubber and of Compound-		Tubing Display CardMa Unique Rubber ProductO	43 47	Splicing Submarine Cable InsulationS Parol (Raschit), an AntisepticD	36
Correction			New Incorporations D 46, Ap 53, S	43	ChemicalO 54, N 54, D 53, Ja 60, F 53, Ma 54, Ap 60, My 59, Je 60, Jl 60, Au 59, S	62
Note   Contest, Safety, March   1 to August   31, 1933, Final Ranking of All   Mills   Notes   New Setter   O 45, 47, D 46, II   50   Officers, New   Notes	DEALERS	51	D 46, Ja 54, F 47, Ma 48, Ap 54, My 50, Je 54, Jl 52, Au 49, S Publications	50	F 54, Ma 54, Ap 60, My 59, Je 60, J1 60, Au 60, S Machinery O 53, N 53, D 53, Ta 59.	62
Congress, Annual   S   50	Automobile Show	51 34	Rubber PowderAu		F 53, Ma 53, Ap 59, My 59, Je 59, Jl 59, Au 59, S Interesting and Timely	61 45
Congress, Annual   S   50	Contest, Safety, March 1 to August 31, 1933, Final Ranking of All	68	N 50, Ma 50, My 56, Je	58	F 53, Ma 53, Ap 59, My 59, Je 59, Jl 59, Au 59, S Trade MarksO 56, N 56, D 55, Ja 62,	61
D 46, Ja 52, F 47, Ma 48, Ap 54, My 54.  Je 52, J1 52, Au 50, S 54  New Goods and Specialties Ball, Rubber, for Dogs. Au Soft, New J1 74  Soft, New J1 74  Soft, New J1 74  Ballous, Latex Ap 49  NRA 8 Ap 54, My 54.  Ducas, Ernest N 47  Ducharme, David Portrait My 53  Valve, Improved O 43  Ballous, Latex Ap 49  NRA N 43  Balls, "Protex," Latex in O 43  Baseball Game, Indoor O 43  Baseball Game, Indoor O 43  Battery Cover, Hard Rubber N 43  Separator, All-Rubber, First J1  Bed, Inflated O 49  Bed, Inflated Je 49  Harrlam, Alexander Ja 54  Bet, Inflated N 47  Bottle, Hot Water, with Sponge Rubber Hanna, Hubert H. Portrait S 5  Bottle, Hot Water, with Sponge Rubber Ap 47  Harpham, Fred M Portrait S 5  Hannock, William Ap 54  Paced Production in Footwear Manufacture ture  ture Au Ma 29  Rubber and the Machine Age. Au 31  Standardized Conveying for Footwear Plants S 5  Standardized Conveying for Footwear Manufacture Au 48  Photoelectric Relays D 33  Plogments Calcene N 40, Ap 72  Guinzburg, Victor Portrait My 54  Guinzburg, Victor Portrait My 54  Fine Later All Portrait My 54	Safety in the Rubber IndustryF	37	OBITUARY Alling, Noyes E	51	I ACSIIAN, KAIMOND	64
D 46, Ja 52, F 47, Ma 48, Ap 54, My 54.  Je 52, J1 52, Au 50, S 54  New Goods and Specialties Ball, Rubber, for Dogs. Au Soft, New J1 74  Soft, New J1 74  Soft, New J1 74  Ballous, Latex Ap 49  NRA 8 Ap 54, My 54.  Ducas, Ernest N 47  Ducharme, David Portrait My 53  Valve, Improved O 43  Ballous, Latex Ap 49  NRA N 43  Balls, "Protex," Latex in O 43  Baseball Game, Indoor O 43  Baseball Game, Indoor O 43  Battery Cover, Hard Rubber N 43  Separator, All-Rubber, First J1  Bed, Inflated O 49  Bed, Inflated Je 49  Harrlam, Alexander Ja 54  Bet, Inflated N 47  Bottle, Hot Water, with Sponge Rubber Hanna, Hubert H. Portrait S 5  Bottle, Hot Water, with Sponge Rubber Ap 47  Harpham, Fred M Portrait S 5  Hannock, William Ap 54  Paced Production in Footwear Manufacture ture  ture Au Ma 29  Rubber and the Machine Age. Au 31  Standardized Conveying for Footwear Plants S 5  Standardized Conveying for Footwear Manufacture Au 48  Photoelectric Relays D 33  Plogments Calcene N 40, Ap 72  Guinzburg, Victor Portrait My 54  Guinzburg, Victor Portrait My 54  Fine Later All Portrait My 54	Record, 1933		Blanchard, Guy Portrait My Brady, A. Eugene D Brown, Edwin P Ap	54 48 52	Paving Rubber in Italy	56
Ball, Rubber, for Dogs. Au Soft, New	Netherlands East Indies, Rubber Trade in O 51, N 52, D 51, Ja 58, F 51, Ma 52, Ap 57, My 57, Je 56, Ji 57, Au 57, S New England, Rubber Trade in O 48	59	Bushnell, John P	53 54 53 47	Truth about, TheAllan Williams JI	42
Valve, Improved.  NRA NRA NRA NRA NRA NRA NRA NRA NRA NR	D 46, Ja 52, F 47, Ma 48, Ap 54, My 54, Je 52, Jl 52, Au 50, S New Goods and Specialties	54	Ducharme, David	47 52 54	Paced Production in Footwear Manufac-	29 31
Balloons	Ball, Rubber, for DogsAu Soft. New	74	Engstrom, Frederik	53 48	Standardized Conveying for Footwear Plants	35 33
Battery Cover, Hard Rubber, N 43   Guinzburg, Victor   Portrait My 54   Separator, All-Rubber, First   11   49   Gutman, Alexander   15   54   Bed, Inflated   15   6   6   Bicycles, Rubber Mounted   15   54   Haertel, Hans Richard   15   55   Hancock, William   15   Souther Hot Water, with Sponge Rubber   15   Bottle, Hot Water, with Sponge Rubber   15   Bottle, Hot Water, with Sponge Rubber   16   Hanna, Hubert H.   Portrait   16   Portrait   17   Bumper, Auto Door, Rubber   16   Bumper,	Balloons, Latex	49 43 43	Fleischmann, Henry Frey Ma Flint, Charles R. Portrait Ma Geier, Fred A. Portrait My Gillette, Raymond B. Portrait Je	47 54	PIGMENTS Calcene	31 72
Bicycles, Rubber Mounted. S 54 Bottle, Hot Water, with Sponge Rubber Box Loss of Rubber Beauty Sponges Box Display, for Rubber Beauty Sponges Bumper, Auto Door, Rubber . D 43 Camera Case Je 49 Camping Equipment Je 49 Cape, Flask, Rubber . S 49 Latex New . S 49 Maclaren, Walter A de B . J 53 Malbert IIIam Ap 52 Hanna, Hubert H. Portrait S 53 Plastometer, Rubber . La 39 Plants, Rubber . Rubber . La 39 Plates, Printing, Rubber . M3 35 Plastometer, Rubber . M3 31 Plates, Printing, Rubber . M3 35 Plastometer, Rubber . M4 31 Plastometer, Rubber . M4 35 Plastometer, Rubber . M4 31 Plastomet		49	Guinzburg, Victor Portrait My Gutman, Alexander Ja Haertel, Hans Richard S	54 53	Pine Tar	68 41 52
Bumper, Auto Door, Rubber   D 43	Bottle, Hot Water, with Sponge Rubber		Hanna, Hubert H	53 51	Plates, Printing, Rubber	39 31 35
Cap, Flask, Rubber S 49 Lowe, Clyde Portrait Je 55, Jl 51 Rubber Tires on Farm Equipment Max 37 Latex, New S 49 Maclaren, Walter A. de B Rubber Tires on Farm Equipment Walter B. Jones Ap 34	· ·	43 43 49	Huber, Edward E	47 47 53	Playthings, Rubber O Plioform, A New Molding Resin H. R. Thies and A. M. Clifford Ma	29 25
	Cap. Flask, Kubber	44	Lowe, Clyde	51 53 53	Rubber Tires on Farm Equipment	3/

Polane

Portal Powde Practi turi and Price Prices Rais Printe

Printi Roll Proces Ja

Produ Mai Pac

Produ fect Profits Proof Cod

Prope pou Protec Public Ja

Purch

Quest Quota

Railw Railw RAINV All-Cod

Rasch RATE Ele

Recan Ret Recen Sta Recur Abs

Imp V Ma

Rul REEN Cal Regul Relay Resili Exp Resin Plic

Resin Qu Rul Retar

Retre Rhod Rims at Robe Vo

Rossi Col Ru

Roum Rubb Ab An Asl Cer

• P	AGES	P	AGES	I	PAGES
Poland	58	Rubber ColoringJoseph Rossman		SHANGHAI The Awakening East	
Portable Rubber Gage	33 27	O 27, N 27, D Colors, Organic Je Compounds, Flexometer for Ja	35 45 45	Sheet Dusting and Cutting	
turing Industry, Code of Fair Competition		Cutting Knives	29	Trimming Rubber Goods	31
and	52 53	Goods, Inexpensive	43 31	Shows See Expositions	
Price wa Tire, Government, Fixed	60	LacqueringGeorge Warren Smith Jl TrimmingF	37 31	Siam, Rubber Trade in	34
Printing Plates, Rubber	41 31	Graining ToolsJa in Studebaker, Diagram Showing Uses		Trolley CarsN Sizing, Rubber Latex, for Carpets and Rugs	25
	35	of, at 60 PointsJa INDUSTRY CodesO 44, N 45, D 45, Ja 23, F	52 25	Slate FlourO	25 40
Process Patents O 53, N 53, D 53, Ja 59, F 53, Ma 53, Ap 59, My 59, Je 59, Jl 59, Au 59, S	61	ActivitiesF ApprovedJa	45 51	Lacquering Rubber GoodsJi Soft Rubber, TestingMa	37 39
Man Load Control	29	Authorities E 45 Ma 45 My 52 Au	52	SOFTENERS Fluorescence of Rubber and of Compound-	
Paced, in Footwear Manufacture David Phillips Ma		Discriminatory Ma 45, Ap 51 News My 52, Je 51, Jl 53, Au 52, S Manufacturing, Code of Fair Competi- tion and Trade Practice for the Ja	51	Pine TarO	68
Products, Rubber, Recent Developments Af- fecting United States Imports of Ja	41	tion and Trade Practice for the Ja Tire, Code of Fair Competition for	23	Pine Tar OSoles and Heels from Scrap Rubber OSolutions, Latex, Dipped Goods from George D. Kratz Ma	33
Profits in Inventory AppreciationO PROOFING Code Name Ma 46 Au		theF	25 37	SOLVENTS	
Code News		Lacquers	45 25	Rubber Cements	27
Industry	23	Machine Age, and the David Phillips Au	31 29	South India Pubber Trade in S	59
Industry Ja Latex, and Impregnating Methods. Ja Properties, Physical, of DuPrene Com- pounds	31	Machinery .N. RUBBER MANUFACTURERS ASSOCIATION, INC. Code of Fair Competition and Trade Practice for the Rubber Manufac-		(U. S. A.), Rubber Trade in O 46, N 45, D 45, Ja 51, F 45, Ma 45, Ap 51, Soviet Republic, Rubber Trade in Ja 56, II Spain, Rubber Trade in	51 56
Publications, New O 48, N 48, D 56, Ja 58, F 48, Ma 50, Ap 55, My 74, Je 76,	39	turing Industry Ja for the Rubber Tire Manufacturing Industry F	23		
JI 54, Au 54, S Purchasing Department, The J. H. Coulahan Au	56	Industry F Rubber, Activities F Authorities F 45, Ma 45, My 52, Au	25 45	A.S.T.M. Tentative	45 44
J. H. Coulahan Au	39	Authorities. F 45, Ma 45, My 52, Au News		Uses of Latex in Textile FinishingAp	37
Q		News	51 45 51	Splicing Submarine Cable InsulationS Sponge Rubber	36 52
Questionnaire O 72, Ja 78, Ap 78, Jl Quotas, Monthly Export Restriction		Offices, New	51	Sponge Rubber Code News	32
E. G. Holt S	68	OHESTIONNAIDE	72	dustry Ja Spray Coating Jl Guns Je	23 30
R	51	Second Quarter, 1933 O Third Quarter, 1933 Ja Fourth Quarter, 1933 Ap First Quarter, 1934 Jp	78 78	STANDARDIZATION OF METHODS	
Rail Truck, Rubber in a	34	RUBBER PAINT	70	Elemental Time Analysis. J. D. Towne Au Standardized Conveying for Footwear Plants David Phillips My	35
All-Weather CoatsJe Code NewsMa 46, Je 51, Jl 53, Au of Fair Competition and Trade Practice	35 52	Rubprotex	39 37	Standards for Rubber GoodsJe	34
for the Rubber Manufacturing In-		Ia 60. F 54. Ma 54. Ap 60. My 60.		CanadaN 70, Ja 76, Ap 76. Jl 76, Au London Stocks O 72, N 72, D 72, Ja 78, F 70, Ma 72, Ap 76, My 78,	78
Raschit (Parol), an AntisepticD	23 56	Je 60, Jl 60, Au 60, S Paving Progress	62 33 40	Ja 78, F 70, Ma 72, Ap 76, My 78,	80
RATE SETTING Elemental Time Analysis  J. D. Towne Au	33	PlantsAp	45	Ja 68, F 61, Ma 70, Ap 65, My 65,	69
RECAPPING		Playthings O Powder	29 27	Malaya, British, Exports and Imports O 50, N 50, D 70, Ja 56, F 48, Ma 59,	0,
RetreadingD. C. McRoberts S Recent Developments Affecting United States Imports of Rubber ProductsJa	41		41 31 35	Ap 74, My 76, Je 65, Jl 54, Au 74, S Plantation Acreage—1932Je	68 41
RECLAIMED RUBBER Absorption, Rubber	39	Joseph Rossman Ja 37, F 35, Ma RollersJoseph Rossman Je 37, Jl Products, Recent Developments Affecting	31	D 52, Ja 65, F 52, Ma 62, Ap 76,	76
of Fair Competition for the, Manufac-	51 41	RECLAIMERS ASSOCIATION, INC.	41	RUBBER MANUFACTURERS ASSOCIATION, INC. Questionnaire O 72, Ja 78, Ap 78, Jl	76
turing IndustryMy Imports of Rubber Products, Recent Developments Affecting United States. Ja		Code News	51	TIRE	
velopments Affecting United States. Ja Market		Rubber Manufacturing Industry My Meeting, Annual	59	Inventory—Production—Domestic Ship- mentsO 50, N 68, D 70, Ja 65, F 60, Ma 62, Je 65, JI 65, Au 68, S Stocks, Distributers', in the United	78
Rubbel Reciainlers Association, Inc., An-	69 59	Regulation Je Silenced Railway Train Je Substitute	34	States as of October 1, 1933S	30 32
nual Meeting		AmberexJe Sulphur, Free, in, Volumetric Determina-	45	United States Absorption, Rubber	
Regulation, Rubber Je Relays, Photoelectric D	31 33	tion of	40	and World, of Rubber Imports, Exports, Consumption, and Stocks 62,	
Resilient Block PavementsAp Expansion Joint FillersJe	39 43	Testing and SpecificationsAu Thread in Narrow Fabrics  Edwin J. Gibbons Jl 35, Au		N 62, D 62, Ja 68, F 61, Ma 70, Ap 65, My 65, Je 74, Jl 74, Au 65,	60
Resin-Gutta Gums. I. Torrence Gurman D Plioform, a New Molding. H. R. Thies and A. M. Clifford Ma	31	Tires, Pneumatic, on Farm Equipment Walter B. Jones Ap		Exports	68 76
Resins, Synthetic	37	TRADE ASSOCIATION OF NEW YORK, INC.	52	IMPORTS	
Ouotas, Monthly ExportE. G. Holt S	68 31	Traffic Markers	42 40 51	Crude and Waste Rubber O 68, N 56, D 59, Ia 74, F 60, Ap 74, My 76, Je 65, JI 65, Au 74, S Rubber by Customs Districts O 70,	72
Rubber Regulation Je Retarder W, an Anti-Scorching Material My	46	Rubprotex, a Rubber PaintD Rugs, Rubber Latex Sizing for Carpets and	39	N 70, D 72, Ja 78, F 70, Ma 72, Ap 78, My 78, Je 78, Jl 78,	
Retreading	39 52	Russia See Soviet Republic	25		80 70
ation, Inc 08, F 04, My 08, Au	58	S		Golf Balls, into the, 1929-1932O LatexN 68, D 59, Ja 65, F 46, Ma 52, Ap 68, My 76, Je 65, Jl 72,	~~
ROBERTSON, J. A., AND J. YOUNG Volumetric Determination of Free Sulphur in Rubber	40	Safety in the Rubber IndustryF	37	Products, Rubber, Recent Develop- ments Affecting, of	78 41
Rollers, Rubber Printing  Joseph Rossman Je		SASH CHANNELS Trimming Rubber GoodsF	31	My	68
ROSSMAN, JOSEPH Coloring Rubber O 27, N 27, D	35	Sayen, William HenrySketch Jl SCRAP RUBBER	58	OuestionnaireO 72, Ja 78, Ap 78, Jl Reclaimed RubberO 59, N 59, D 59, Ja 74, F 59, Ma 59, Ap 74, My 65, Je 74, Jl 74, Au 65, S	76
Rubber PaintsS Printing PlatesJa 37, F 35, Ma RollersJe 37, JI Roumania, Rubber Trade in Je 58, Au 56, S	37 35 31	Code News	52	D 59, Ja 74, F 59, Ma 59, Ap 74, My 65, Je 74, Jl 74, Au 65, S	69
Roumania, Rubber Trade in Je 58, Au 56, S Rubber	58	velopments Affecting United States. Ja Market	41	RUBBER Goods Production 0 72, N 72, D 72, Ia 76, F 70, Ma 72, Ap 76.	
Absorption—1933 Je 33, Tl	39 43	Soles and Heels from	78 33	My 78, Je 78, Jl 78, Au 76, S Statistics O 70, N 70, D 72,	80
Annals of JI 41, S Asbestos Products Ja Cements JI 27, Au	36 37	SEALING COMPOUNDS Rubber Cements	37	Goods Production O 72, N 72, D 72, Ia 76, F 70, Ma 72, Ap 76, My 78, Je 78, JI 78, Au 76, S Statistics O 70, N 70, D 72, Ja 78, F 70, Ma 72, Ap 78, My 78, Je 78, JI 78, Au 78, S	80

	PAGES	. P.	AGES	PA	AGES
STATISTICS		Thread, Rubber, in Narrow Fabrics		Turkey, Rubber Trade in	50
World		Edwin J. Gibbons Jl 35, Au			
and United States, of Rubber Import		Time Analysis, Elemental J. D. Towne Au	33	U	
Exports, Consumption, and Stocks. O 62, N 62, D 62, Ja 68, F 6.		Tires			
Mo 70 Ap 65 My 65 To 74 H 7	,	Age Resisting CompoundsJl	44	Ultra-Violet Light, Behavior of Anti-Agers	40
Ma 70, Ap 65, My 65, Je 74, Jl 7- Au 65,	\$ 69	Catalpo in, and Tubes	40	to Sun- andF United States Exports Register GainsJa	40
Rubber Absorption (Net Imports) O 50	,	My 52, JI 53, Au 52, S	60	Imports of Rubber Products, Recent De-	10
N 50, D 70, Ja 56, F 60, Ma 70		Retail, and BatteryJe	51	velopments AffectingJa	41
Ap 65, My 76, Je 65, Jl 76, Au 76	, 70	of Fair Competition for the Rubber	0-	Upholstery, RubberAp	76
Shipments (Net Exports). O 70, N 72	S 78	Tire Manufacturing IndustryF	25	Ureka C, an Activated Accelerator D	50
D 52, Ja 76, F 51, Ma 68, Ap 68		"G-3"Je Manufacture, Sources of Waste in	33	Urquhart, W. H	44
My 76, Je 78, Jl 78, Au 76,	5 72	Frank Allan Middleton O 31, D	27	D. Kratz and William M. Spencer Ap	37
Stauffer, Burton L Sketch J	e 54	Pneumatic Rubber, on Farm Equipment		D. II. and the trinian san opener sep	0.
Stearic Acid, Hydrogenated Donald F. Cranor M	. 45	Walter B. Jones Ap	34	V	
Stevens, Donald Read	y 45	Price War AgreementMy Prices, Government, FixedAu	52 53		
Portrait and Sketch (	) 45	Raised Ie 74. S	60	Viles, A. LPortrait F	
STOCKS		Retreading C. McRoberts S	39	Viscosity of Heavy Cements	44
Deodorized, Typical	) 52	Roadgripper, Pharis First-LineAu	48	in RubberJ. A. Robertson and	
Tire, Distributers', in the United State		Rubber Absorption	39	J. Young D	40
April 1, 1934	5 32	as of October 1, 1933D	30	VULCANIZATION	
Wire and CableF. B. Wilson M.	a 28	April 1, 1934S	32	Testing of Soft Rubber	39
Strips, Tire Tread, Forming	a 40	Report PromptlyO TestsRaymond Paustian Jl	49	VULCANIZING AGENTS Rubber Cements	27
Submarine Cable Insulation, Splicing Sulphur, Free, in Rubber, Volumetric De	36	TestsRaymond Paustian II	33	Code NewsAu	
termination ofJ. A. Robertson and		Tread Strips, Forming	40 53		
J. Young 1	) 40	SilvertownJa	50	W	
Sun, and Ultra-Violet Light, Behavior o	f	U. S. Rubber, New	46	Water Comment in The Manufacture	
Anti-Agers to	F 40	Tools, Graining, RubberJa	35	Waste, Sources of, in Tire Manufacture Frank Allan Middleton O 31, D	27
SUNDRIES. RUBBER	4 27	Tornesit Paint	58		
Code News		Elemental Time AnalysisAu	33	Wear, Floor, TestingO WETHERBEE, B. W.	68
of Fair Competition and Trade Prac		Man Load ControlS	29	WETHERBEE, B. W.	22
tice for the Rubber Manufacturin		Toys	20	Modern Heat Insulation O 25, N Wetting Power	33
Suspension, Rubber	4 23	Rubber PlaythingsO	29	HakuenkaJa 76, Ap 72, J1	56
Silenced Trolley Cars	25	Information, Foreign O 70, N 72,		WHITING, COLLOIDAL	
Sweden, Rubber Trade in N 50, Ma		D 70, Ja 76, F 46, Ma 52, Ap 68,		HakuenkaJa 76, Ap 72, J1	56
Switzerland, Rubber Trade in	50	My 76, 11 76, S	78	Wiegand, William B. Awakening East, TheAu 29, S	22
NewI		Inquiries, Rubber O 70, N 70, D 52, F 48, Ma 52, My 76, Au 78, S	80	Colloidal CarbonF	30
ResinsM	y 37	Marks	80	WILLIAMS, ALLAN	
Systematic Identification of Accelerators		Marks O 56, N 56, D 55, Ja 62, F 56, Ma 56, Ap 62, My 62, Je 62, Jl 62, Au 62, S		Rubber Traffic MarkersS	42
Keiichi Shimada M.	39	Je 62, Jl 62, Au 62, S	64	Truth about Rubber Paving, TheJl	40
Т		Practice for the Rubber Manufacturing In- dustry, Code of Fair Competition and		Wilson, F. B. Wire and Cable Stocks	28
		dustry, Code of Pair Competition and	23	Wire and Cable Stocks F. B. Wilson Ma	28
Tar. Pine	68	News O 44, N 45, D 45,	20	Wood FlourAp	
Testing Floor Wear	68	Ja 51, F 45, Ma 45, Ap 51, My 52,		v	
Rubber, and SpecificationsAt	39	Je 51, Jl 53, Au 52, S Traffic Markers, Rubber. Allan Williams S	51	1	
Soft Rubber	1 33	Train, Railway, Rubber SilencedJe	34	Young, J., J. A. Robertson and	
Textile Finishing, Uses of Latex in George		Trains, High-Speed Passenger, Rubber in Ap	40	Volumetric Determination of Free Sul-	40
D. Kratz and William M. Spencer Al	37	Tread, Tire, Strips, FormingJa	40	phur in Rubber	40
Thickness Measurements of Calendered Ma	25	Trimming Rubber GoodsF	31	Z.	
Portable Rubber Gage		Trolley Cars, Silenced	51	ZINC OXIDES	
THIES, H. R., AND A. M. CLIFFORD	33	Truth about Rubber Paving, The	2 A	Fluorescence of Rubber and of Compound-	
Plioform, a New Molding ResinMa	25	Allan Williams Jl	40	ing IngredientsV. N. Morris Au	43
Ja=Jan.; F=Feb.; Ma=March: Ap=	=April	; My=May; Je=June; Jl=July; Au=	Augu	st; S=Sept.; O=Oct.; N=Nov.; D=D	ec.

